
Subject: vertex fitting

Posted by [Alexandros](#) on Mon, 08 Sep 2014 11:26:46 GMT

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Hi all,

Is there something wrong with the code below?? Because I get a segmentation break with these lines and without everything works perfectly..

The problem seems to be in the red line...

Any ideas??

```
                // store the 4-vector of the truth matched candidate (or a dummy, if not matched
to keep ntuple consistent)
```

```
RhoCandidate *truth = d0[j]->GetMcTruth();
```

```
TLorentzVector lv;
```

```
if (truth) lv = truth->P4();
```

```
qa.qaP4("trd0", lv, nd0);
```

```
PndKinVtxFitter *vtxfitter=new PndKinVtxFitter(truth); // instantiate a vertex fitter
vtxfitter->Fit();
```

```
RhoCandidate *d0fitvtx = truth->GetFit(); // access the fitted cand
```

```
Float_t chi2_vtx = vtxfitter->GetChi2(); // access chi2 of fit
```

```
Float_t prob_vtx = vtxfitter->GetProb(); // access probability of fit
```

```
TVector3 d0Vtx = d0fitvtx->Pos(); // and the decay vertex position
```

```
nd0->Column("vtxprob", (Float_t) prob_vtx);
```

```
nd0->Column("vtxchi2", (Float_t) chi2_vtx);
```

```
nd0->Column("vtxposx", (Float_t) d0Vtx.X());
```

```
nd0->Column("vtxposy", (Float_t) d0Vtx.Y());
```

```
nd0->Column("vtxposz", (Float_t) d0Vtx.Z());
```
